

Summary	
SITE TOP	Please login using the form on menu list.
Login	It is required to login for Full-Text PDF.
To browse Full-Text PDF.	
ID:	Exploiting Metadata of Absent Objects for Proxy Cache Consistency
Password:	Jooyang KIM Hyakyung BAHN Kern KOH
Login	Publication
> Login	IEICE TRANSACTIONS on Communications Vol.E84-B No.5 pp.1406-1412
Porcottan pony nassprord?	Publication Date: 2001/05/01
Forgotten your password?	Online ISSN:
Menu	Print ISSN: 0916-8516
Search	Type of Manuscript: PAPER
Latest Issue	Category: Network Keyword:
A Fundamentals	proxy, cache, consistency, metadata, World Wide Web,
B Communications	Full Text: PDF
C Electronics	Full Fext. F.D.
D Information & Systems	Summary:
Abstracts of JPN Edition	Caching at the Web proxy server plays an important role in reducing the response time, the network traffic,
Archive	Web servers. Many recent studies have proposed and examined the replacement and consistency policies for cache, which plays a central role in the performance of caching components. For better performance, they ϵ
Volume List	metadata of Web objects, such as the reference count, reference time, and modification time information of
Volume List [JPN Edition]	to estimate the re-reference likelihood and freshness of the objects. However, all of these known to the auth metadata only when the actual object is in the cache. We observed from various proxy traces that about 20-
Editorial Board & Reviewers	requests incurred only the validity checks of cached objects without transferring actual objects from the pro-
Link	case, only the metadata are necessary at the proxy server. This paper proposes a proxy cache consistency portion metadata even for absent objects. These include the time information of evicted objects from the cache and
For Authors	header-only replies from Web servers. Trace-driven simulations with public proxy cache traces show that c
IEICE Home Page	the response time and the number of connections to Web servers significantly.
Citation Index	
Privacy Policy	
Copyright & Permissions	•
Copyright (c) by IEICE	